10 October, 2006

Fax No. 571-273-8300

TO: SAMUEL E. BELT

RE; APPLICATION NO. 10/764,139 ART UNIT 3746

FILING DATE 1/22/2004

PLEASE FIND ATTACHED A PRELIMINARY PROPOSED REPLY TO THE OFFICE ACTION OF Aug.3, 2006.

PLEASE COMMENT.

RESPECTFULLY

PAUL. P. DURON

949-760-0417 OR Fax to 949-721-0900

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Application No.	:	10/764,139
Filed	:	January 22, 2004
Appn. Title	:	Double-Acting, High-Pressure Cryogenic Pump
Applicant	:	Paul P. Duron
Examiner	:	Samuel E. Belt
Art Unit	:	3746
Conf. No.	:	6079

Mailed : January 22, 2004
At: Westlake Village, CA91361

AMENDMENT A

U.S. Patent and Trademark Office
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir,

In response to the Office Action of 08/03/2006 please amend the above identified application as follows:

Specification:

1. A listing of references in the specification has been made and is enclosed herein.

   The listing is on Form, PTO-1449, page 8.

Claim Objections:

1. Please delete Claim 2.

Claim Rejections:

1. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Gram (U.S. 5,477,690), Fig. 2.

   In U.S. 5,477,690 and U.S. 5,411,374 the same Fig. 2 is used. Gram does not discuss or show a blow-by venting system in either of the referenced U.S. Patents. Column 9, lines 26+ of U.S. 5,477,690 does not describe a blow-by venting system. Therefore it is

believed by this inventor that no blow-by venting system is included in these U.S. Patents by A. Gram.

2. The Gram claimed inventions do not contain a blow-by venting system, thus the applicants invention is significantly different from the Gram patents, U.S. Patent 5,477,690, U.S. Patent 5,411,374 and U.S. Patent Application 2002/0085921. In U.S. Patent Application 2002/0085921 the passageway in the piston rod conducts pressurized suction fluid from the discharge of the pressurized cylinder 23 to the suction fluid inlet check valve 26 of the single-acting medium and high pressure pump chamber 25. No discussion or description is presented where the passageway in the piston rod is a duct for by-pass vapors. It may be noted that in the U.S. Patent Application 2002/0085921, the passageway in the piston rod does not connect two pumping chambers. The passageway in the current Patent Application conducts blow-by fluid vapors to a source of suction fluid where the vapors mix and condense. The chamber of the suction fluid is not a pumping chamber.

3. With regard to Claim 11, the spaced apart piston heads 4 and 6 of Tornare, U.S. Patent 4,639,197 perform pumping in series. Piston head 6 is a suction pressurizing stage for the single-acting, high-pressure piston 4. There is no provision for venting of blow-by fluids from the high-pressure stage in Tornare.

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Amendments to the Claims:

1. Please cancel claims 1-12 of the current application.

Listing of Claims:

1. Please replace cancelled claim with claims 21-29.

REMARKS/ ARGUMENTS

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted

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